

## **RF LEVEL STABILIZATION OF OPTICAL LINK OVER TEMPERATURE**

## **ABSTRACT OF THE DISCLOSURE**

A radio frequency stabilization system (e.g., for use with a laser transmitter) in an optical communication system is provided. The present invention relates to maintaining a stable RF level in an optical link despite temperature fluctuations, including a transmitter section, a receiver section, a plurality of feedback loops connected to each of the transmitter section and the receiver section. The present invention further discloses a method of stabilizing an RF level in an optical link which method include providing an optical signal transmitter, an optical signal receiver, and a plurality of feedback loops to the optical transmitter section and the optical receiver section.